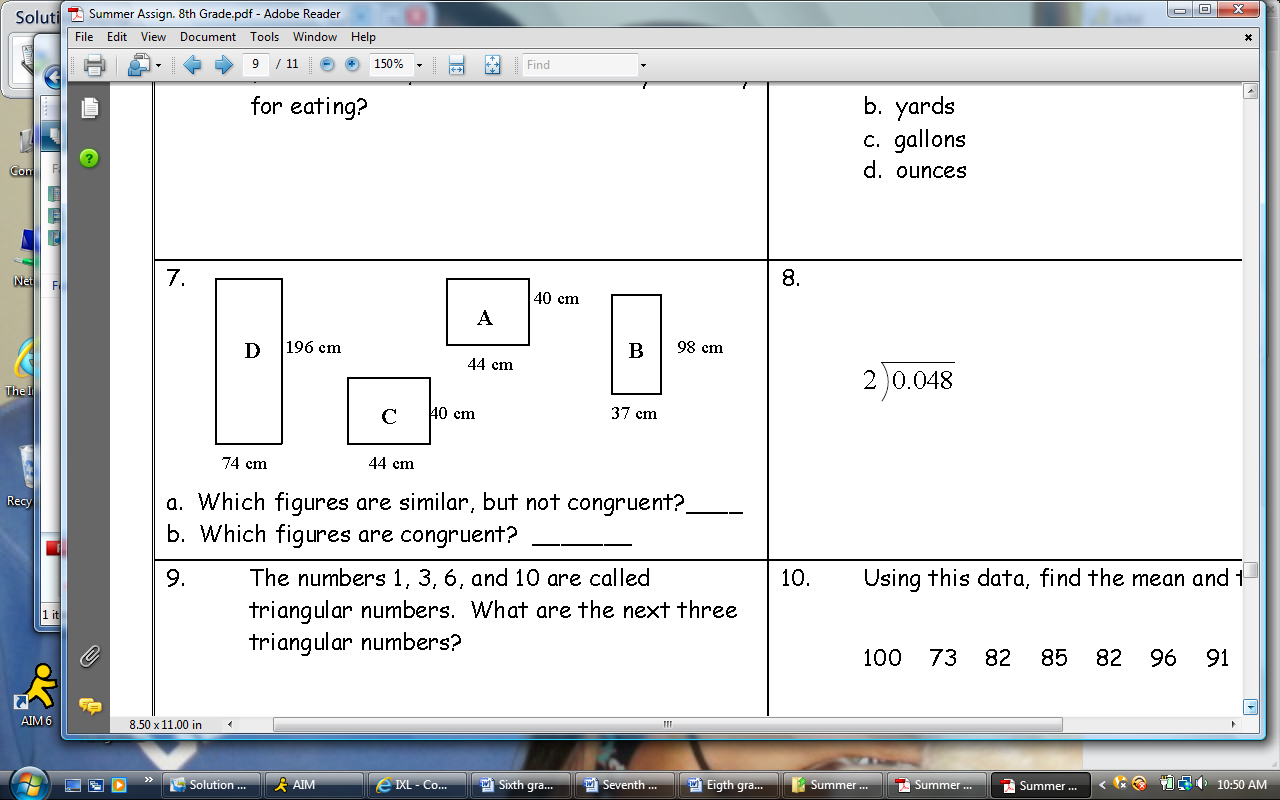
**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PreAlgebra Period\_\_\_\_\_\_**

**The following problems are due Monday, October 27th. You may use any resource to solve these problems except if that resource is a person. You have been previously taught these standards. On Thursday of this week I will set aside 5 minutes to help you with any questions you may have in solving these problems. YOU MUST SHOW ALL WORK!**

1.) A.) Which figures below are similar, but not congruent?

B.) Which figures are congruent?

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2.) Casey decreased the number of hours she worked at her part time job from 20 to 13 hours. What was the percent rate of change in the number of hours she worked?

3.) The scale on a map is 12cm : 5km. If the distance between two cities is 17.5km, how far apart in cm are the two cities on the map?

4.) A typist can type 146 words in 100 seconds At this rate, how many minutes and seconds would it take him to type 657 words?

5.) Sneakers costing $90 were reduced by 45%. Since Dan was an employee, he was able to take an additional 30% off of the sale price of the sneakers. How much did Dan pay for the sneakers?

6.) There are 60 red and blue marbles in a bag. The ratio of blue marbles to red is 3 to 7. How many red marbles are in the bag?

7.) What percentage of 125 is 70?